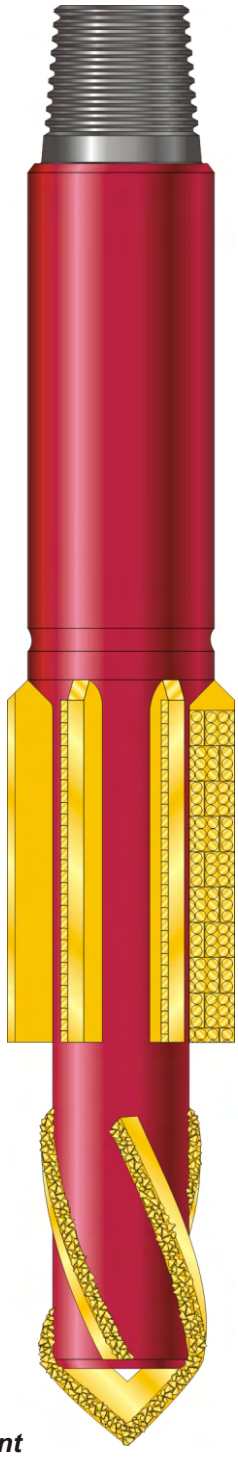
Weatherford®

Fishing Services

CustomCut™ Pilot Mill
Diamond Point



Weatherford's *CustomCut* diamond-point pilot mill can be used to mill a full range of tubular products. The mill consists of a leading stabilizer (the pilot), which is sized for the ID of the tubular, and a major diameter section, sized at least 1/4 in. larger than the coupling OD. The *CustomCut* diamond-point mill can be dressed with crushed carbide or with one of the family of *CustomCut* inserts, as appropriate for the application.

Weatherford's diamond point *CustomCut* pilot mill is a product of the company's MillSmart℠ technology—an engineered approach to milling that encompasses a wide range of proven products, services, and technical resources, developed and refined by the world's largest and most experienced provider of milling and fishing services.

Applications

- The *CustomCut* diamond-point pilot mill is used for milling tubing, casing, liner hangers, liners, drillpipe, drill collars, wash pipe, or perforated liners.
- *CustomCut* inserts that are specifically tailored to the operation and to the capabilities of the surface equipment. For surface equipment or fluids with limited capabilities, *CustomCut* 100 series inserts produce small, lightweight cuttings. For premium fluids and high-volume surface equipment, *CustomCut* 200 and 300 series inserts maximize milling rates and the life of the pilot mill.

Features, Advantages and Benefits

- Full OD ensures that collars are milled in the same operation, eliminating creation of junk in the wellbore and extending the life of the pilot mill.
- Optimized alignment of *CustomCut* insert to proper cutting angle produces smaller cuttings for better wellbore cleaning and longer life of the mill.
- Longer blades extend downhole cutting time and the life of the mill.
- Insert selection capability optimizes the mill design to the composition of the tubular being milled and the capabilities of surface facilities, resulting in higher rates of penetration.

MillSmart *technology, featuring* CustomCut *inserts—because each job is different*

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Specifications

Casing Size (in.)	Top Pin Connection	Mill Blade OD (in.)	Mill Blade OD *(mm)*
4-1/2	3 1/2-in. Reg.	5.250	*133.350*
5		5.813	*147.650*
5-1/2		6.300	*160.020*
6		6.875	*174.625*
6-5/8	4 1/2-in. Reg.	7.640	*194.056*
7		7.916	*201.066*
7-5/8		8.750	*222.250*
8-5/8	6 5/8-in. Reg.	9.875	*250.825*
9-5/8		10.875	*276.225*
10-3/4		12.000	*304.800*
11-3/4		13.000	*330.200*
13-3/8		14.625	*371.475*

Options

Applications	Inserts
Surface equipment or fluids with limited capabilities	100C
	101C
High-volume surface equipment and premium fluids	200M
	201M
	202M
	203M
	300M
	301M
	302M
	303M
	304M

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